

Notice of Allowability

Application No.

09/666,298

Examiner

Toan D. Nguyen

Applicant(s)

HAARTSEN, JACOBUS C.

Art Unit

2616

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 8/17/06.
2. ☒ The allowed claim(s) is/are 5,2,3, 6-9,14,11,12,15-21, 24, 26-29, and 32-33 are renumbered 1-24, respectively.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.

DETAILED ACTION

Allowable Subject Matter

1. The following is an examiner's statement of reasons for allowance:

Regarding claim 5, the prior art fails to teach a combination of the steps of:
wherein the step of establishing the slow frequency hopping traffic channel
further includes the steps of:

determining that a time interval associated with the slow hop sequence has
expired; and

adapting a location of the slow frequency hopping traffic channel
according to the slow hop sequence responsive to the expiration of the time interval, in
the specific combination as recited in the claim.

Regarding claim 7, the prior art fails to teach a combination of the steps of:
wherein the step of establishing the location further includes reducing a number
of hop carrier frequencies associated with the fast frequency hopping traffic channel, in
the specific combination as recited in the claim.

Regarding claim 8, the prior art fails to teach a combination of the steps of:
establishing the fast frequency hopping traffic channel between the first, the
second, and the third communication unit; and

wherein the fast frequency hopping traffic channel avoids a location of the slow
frequency hopping traffic channel and wherein a beacon packet is transmitted to the
third communication unit, the beacon packet containing frequency hopping related
information, in the specific combination as recited in the claim.

Regarding claim 14, the prior art fails to teach a combination of the steps of:
wherein the first communication unit, in establishing the slow frequency hopping traffic channel, is further configured to:
determine that a time interval associated with the slow hop sequence has expired; and
adapt a location of the slow frequency hopping traffic channel according to the slow hop sequence responsive to the expiration of the time interval, in the specific combination as recited in the claim.

Regarding claim 16, the prior art fails to teach a combination of the steps of:
wherein the first communication unit is further configured to reduce the number of time slots associated with the set of the plurality of time slots, in the specific combination as recited in the claim.

Regarding claim 17, the prior art fails to teach a combination of the steps of:
establish the fast frequency hopping traffic channel between the first, the second, and the third communication unit; and
wherein the fast frequency hopping traffic channel avoids a location of the slow frequency hopping traffic channel and wherein a beacon packet is transmitted to the third communication unit, the beacon packet containing frequency hopping related information, in the specific combination as recited in the claim.

Regarding claim 19, the prior art fails to teach a combination of the steps of:
determining that a frequency overlap exists between the static traffic channel and one or more of frequencies associated with the frequency hopping traffic channel; and

suspending communication on the static traffic channel during the frequency overlap;

wherein said first, second, third and fourth communication units are each different communication units, in the specific combination as recited in the claim.

Regarding claim 27, the prior art fails to teach a combination of the steps of:

determine that a frequency overlap exists between the static traffic channel and one or more of frequencies associated with the frequency hopping traffic channel; and

suspend communication on the static traffic channel during the frequency overlap, in the specific combination as recited in the claim.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

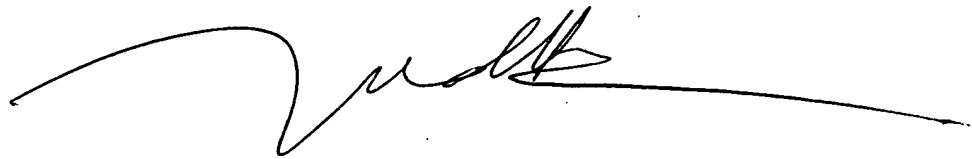
2. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Toan D. Nguyen whose telephone number is 571-272-3153. The examiner can normally be reached on M-F (7:00AM-4:30PM).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mr. Huy Vu can be reached on 571-272-3155. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2616

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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